

Title (en)

IMAGE TRANSMITTING DEVICE AND IMAGE RECEIVING DEVICE

Title (de)

BILDÜBERTRAGUNGSVORRICHTUNG UND BILDENPFANGSVORRICHTUNG

Title (fr)

DISPOSITIF DE TRANSMISSION D'IMAGE ET DISPOSITIF DE RÉCEPTION D'IMAGE

Publication

EP 2475171 A4 20131127 (EN)

Application

EP 09849008 A 20090928

Priority

- JP 2009065356 W 20090902
- JP 2009066832 W 20090928

Abstract (en)

[origin: US2011206130A1] According to one embodiment, an image transmission apparatus includes a video processor. The video processor is configured to generate video data by applying one of first to fourth video processing to a predetermined unit image, the first to fourth video processing being (a) the first video processing of generating the predetermined unit image as the video data, (b) the second video processing of generating the video data by compressing the predetermined unit image, (c) the third video processing of performing a subsampling processing of performing pixel-separation of the predetermined unit image into subsampled images in accordance with pixel phases, and of generating each of the subsampled images as the video data, and (d) the fourth video processing of performing the subsampling processing of separating the predetermined unit image into the subsampled images in accordance with pixel phases, and of generating the video data by compressing each of the subsampled images.

IPC 8 full level

H04N 7/26 (2006.01)

CPC (source: EP US)

H04N 19/12 (2014.11 - EP US); **H04N 19/132** (2014.11 - EP US); **H04N 19/59** (2014.11 - EP US); **H04N 19/61** (2014.11 - EP US)

Citation (search report)

- [A] EP 1638337 A1 20060322 - ST MICROELECTRONICS SRL [IT]
- [XI] NITIN GOGATE ET AL: "Supporting Image and Video Applications in a Multihop Radio Environment Using Path Diversity and Multiple Description Coding", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 12, no. 9, 1 September 2002 (2002-09-01), XP011071869, ISSN: 1051-8215
- [XI] YAO WANG ET AL: "Real-Time Video Communications over Unreliable Networks", IEEE SIGNAL PROCESSING MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 17, no. 4, 1 July 2000 (2000-07-01), pages 61 - 82, XP011089872, ISSN: 1053-5888
- [XA] SONG D ET AL: "Robust multiple description image coding over wireless networks based on wavelet tree coding, error resilient entropy coding, and error concealment", JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, ACADEMIC PRESS, INC, US, vol. 19, no. 5, 1 July 2008 (2008-07-01), pages 311 - 319, XP022696530, ISSN: 1047-3203, [retrieved on 20080320], DOI: 10.1016/J.JVCIR.2008.03.003
- See references of WO 2011027479A1

Cited by

US11563477B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

US 2011206130 A1 20110825; CN 102318343 A 20120111; CN 102318343 B 20150211; EP 2475171 A1 20120711; EP 2475171 A4 20131127; WO 2011027440 A1 20110310; WO 2011027479 A1 20110310

DOCDB simple family (application)

US 201113098536 A 20110502; CN 200980156580 A 20090928; EP 09849008 A 20090928; JP 2009065356 W 20090902; JP 2009066832 W 20090928